

Title (en)
PRODUCTS AND ANALYTICAL METHOD

Title (de)
PRODUKTE UND ANALYSEVERFAHREN DAFÜR

Title (fr)
PRODUITS ET PROCÉDÉ ANALYTIQUE

Publication
EP 2286229 A4 20111109 (EN)

Application
EP 09762759 A 20090610

Priority
• SE 2009050706 W 20090610
• SE 0801352 A 20080610

Abstract (en)
[origin: WO2009151390A1] The present invention describes product and analysis method for analysis of a substance, a virus, a bacteria or a cell which binds to carbohydrate structures. One or more carbohydrates, or carbohydrate derivatives, is bound to spherical or non-spherical polymer beads (for example microspheres or nanospheres). Formed carbohydrate-polymer beads or carbohydrate-polymer particles, can bind to with more or less specific affinity to the substance, bacteria, virus or cell which shall be detected. The carbohydrate beads is contacted with a sample containing the substance, bacteria, virus or cell (completely or partially isolated, or not purified, in a non-diluted or diluted solution). The resulting mixture is optionally added to a gel, or a column containing a gel, through which the resulting mixture (of carbohydrate beads or carbohydrate particles bound to the substance, virus, bacteria or cell), is allowed to migrate. Detection of aggregates is made visually or using apparatus for detection.

IPC 8 full level
G01N 33/548 (2006.01); **G01N 33/537** (2006.01); **G01N 33/559** (2006.01); **G01N 33/561** (2006.01); **G01N 33/58** (2006.01); **G01N 33/80** (2006.01)

CPC (source: EP US)
G01N 33/559 (2013.01 - EP US); **G01N 33/585** (2013.01 - EP US); **G01N 2400/00** (2013.01 - EP US)

Citation (search report)
• [Y] US 6444655 B1 20020903 - NILSSON KURT [SE]
• [Y] US 4355102 A 19821019 - QUASH GERARD
• [Y] SELTSAM A ET AL: "Rapid detection of anti-Lub with recombinant Lub protein an the particle gel immunoassay", TRANSFUSION, AMERICAN ASSOCIATION OF BLOOD BANKS, BETHESDA, MD, US, vol. 48, 1 April 2008 (2008-04-01), pages 731 - 734, XP003025598, ISSN: 0041-1132, DOI: 10.1111/J.1537-2995.2007.01596.X
• [Y] BAKCHOUL T ET AL: "Rapid detection of HPA-1 alloantibodies by platelet antigens immobilized onto microbeads", TRANSFUSION, AMERICAN ASSOCIATION OF BLOOD BANKS, BETHESDA, MD, US, vol. 47, no. 8, 1 August 2007 (2007-08-01), pages 1363 - 1368, XP003025597, ISSN: 0041-1132, [retrieved on 20070502], DOI: 10.1111/J.1537-2995.2007.01274.X
• See references of WO 2009151390A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK TR

DOCDB simple family (publication)
WO 2009151390 A1 20091217; CA 2726516 A1 20091217; EP 2286229 A1 20110223; EP 2286229 A4 20111109; US 2011159477 A1 20110630

DOCDB simple family (application)
SE 2009050706 W 20090610; CA 2726516 A 20090610; EP 09762759 A 20090610; US 99731009 A 20090610